

Data Path : Z:\HPCHEM1\BNA M\DATA\BM121815\
 Data File : BM003612.D
 Acq On : 18 Dec 2015 14:25
 Operator : UM/SJ
 Sample : G4783-02
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :

Quant Time: Dec 18 16:15:07 2015
 Quant Method : Z:\HPCHEM1\BNA M\METHODS\8270-SIM-BM120215.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Dec 02 16:19:00 2015
 Response via : Initial Calibration

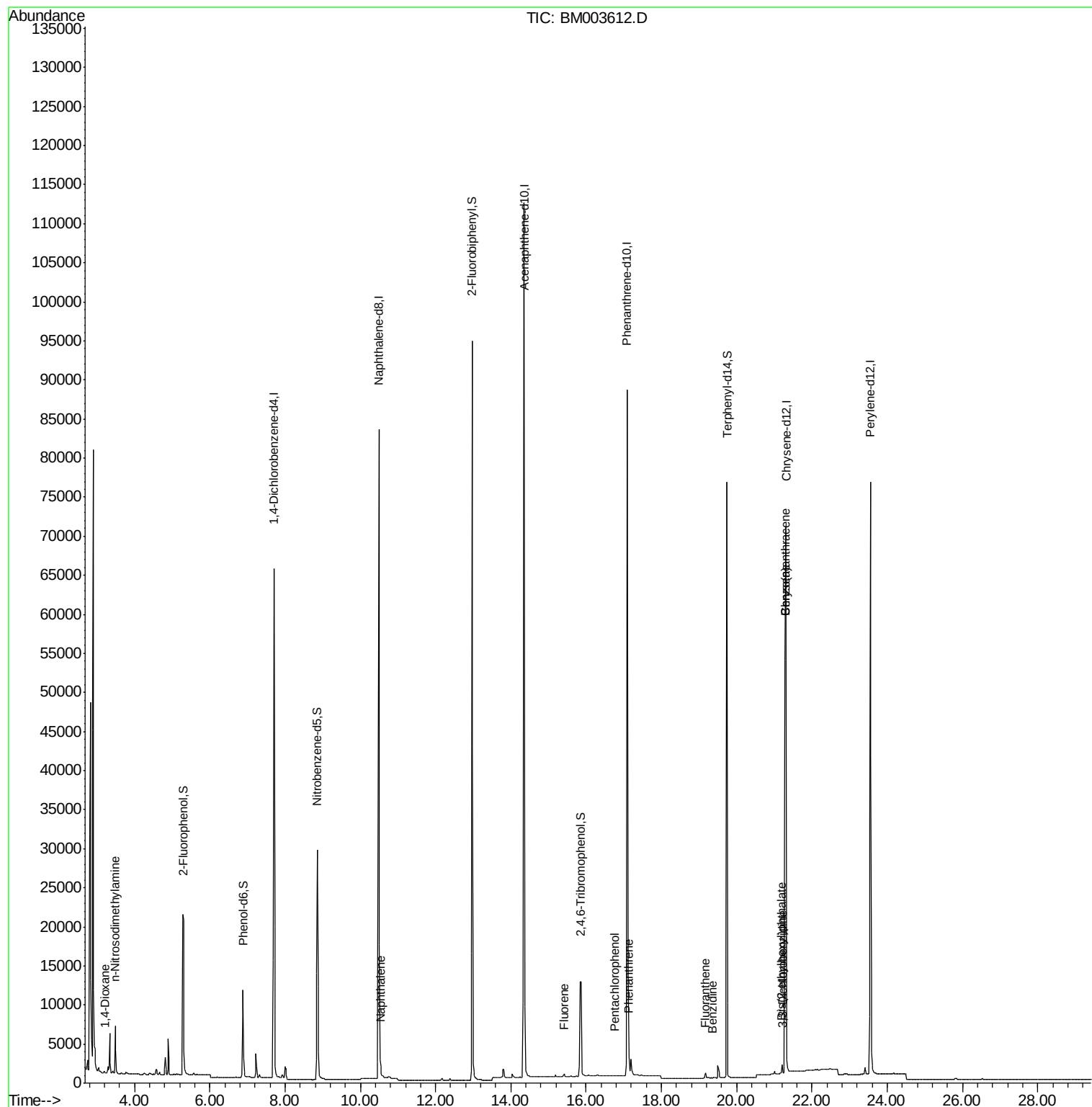
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.71	152	32896	5.00	ng	-0.02
7) Naphthalene-d8	10.49	136	124995	5.00	ng	-0.02
13) Acenaphthene-d10	14.35	164	65593	5.00	ng	-0.02
19) Phenanthrene-d10	17.09	188	129185	5.00	ng	-0.03
26) Chrysene-d12	21.31	240	105303	5.00	ng	-0.02
35) Perylene-d12	23.56	264	103477	5.00	ng	-0.02
System Monitoring Compounds						
4) 2-Fluorophenol	5.30	112	23822	3.63	ng	-0.02
5) Phenol-d6	6.88	99	15493	1.92	ng	0.00
8) Nitrobenzene-d5	8.86	82	29267	5.02	ng	-0.02
14) 2,4,6-Tribromophenol	15.86	330	12633	7.43	ng	0.00
15) 2-Fluorobiphenyl	12.98	172	94158	4.77	ng	-0.02
29) Terphenyl-d14	19.74	244	80963	4.74	ng	-0.02
Target Compounds						
2) 1,4-Dioxane	3.21	88	286	0.10	ng	# 34
3) n-Nitrosodimethylamine	3.49	42	334	0.11	ng	# 1
10) Naphthalene	10.54	128	1529	0.06	ng	# 84
18) Fluorene	15.42	166	423	0.02	ng	# 92
21) Hexachlorobenzene	16.42	284	15	Below Cal		# 51
22) Pentachlorophenol	16.76	266	43	0.35	ng	# 63
23) Phenanthrene	17.14	178	2211	0.09	ng	# 85
25) Fluoranthene	19.17	202	973	0.04	ng	# 99
27) Benzidine	19.36	184	55	0.37	ng	# 1
30) Benzo(a)anthracene	21.29	228	831	0.03	ng	# 71
31) 3,3'-Dichlorobenzidine	21.23	252	41	0.09	ng	# 60
32) Chrysene	21.29	228	832	0.03	ng	# 81
33) Bis(2-ethylhexyl)phthalate	21.21	149	1281	0.32	ng	# 96

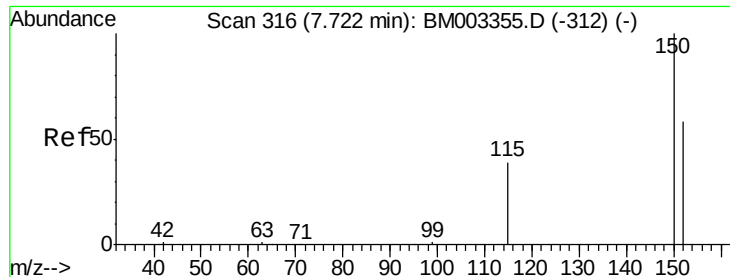
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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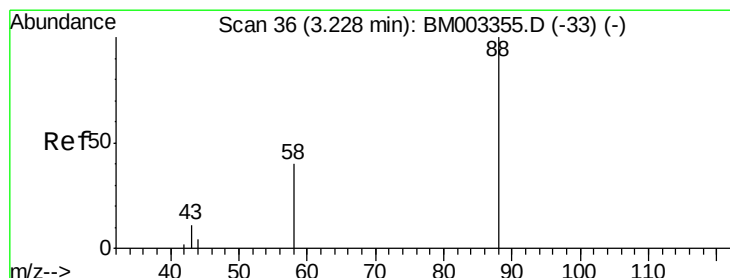
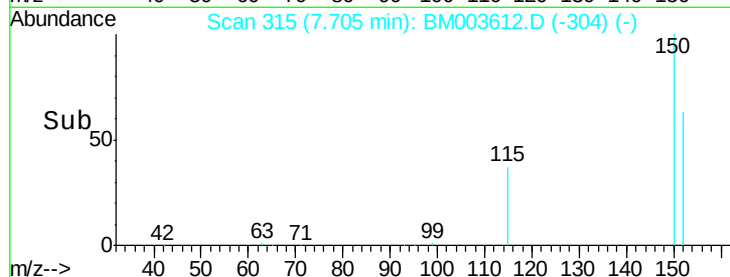
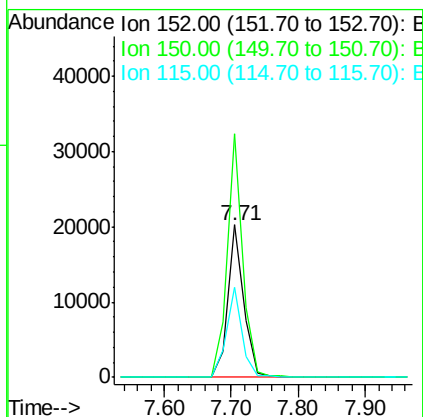
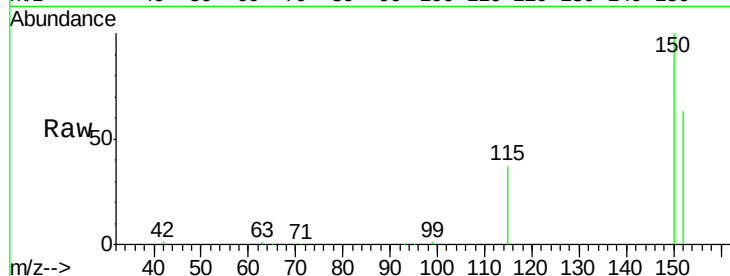


#1

1,4-Dichlorobenzene-d4
Concen: 5.00 ng
RT: 7.71 min Scan# 315
Delta R.T. -0.02 min
Lab File: BM003612.D
Acq: 18 Dec 2015 14:25

Instrument :
BNA_M
ClientSampleId :

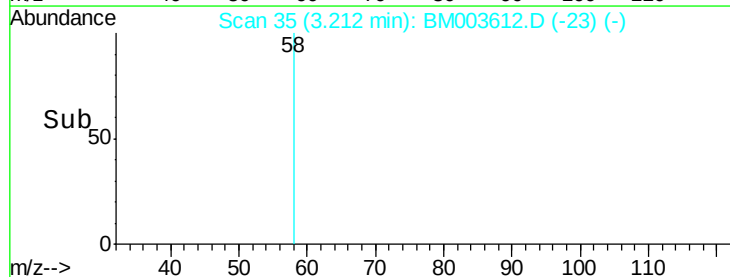
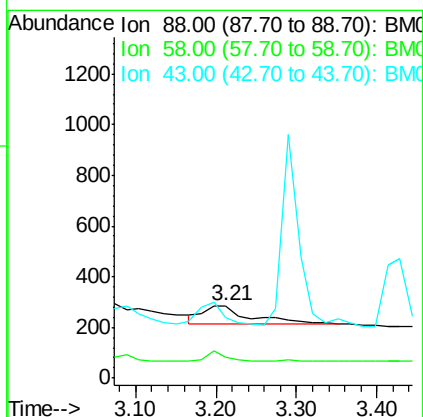
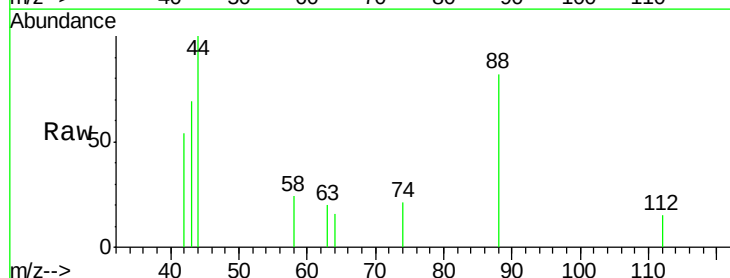
Tot Ion:152 Resp: 32896
Ion Ratio Lower Upper
152 100
150 159.7 143.6 215.4
115 59.1 58.5 87.7

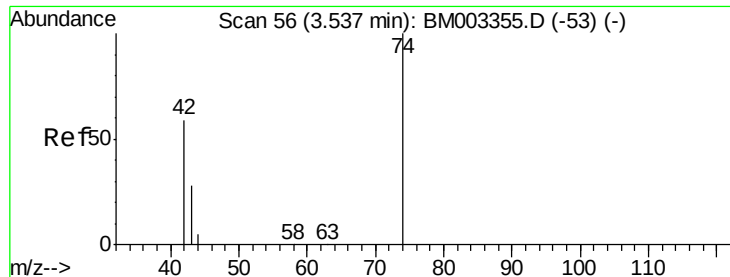


#2

1,4-Dioxane
Concen: 0.10 ng
RT: 3.21 min Scan# 35
Delta R.T. -0.01 min
Lab File: BM003612.D
Acq: 18 Dec 2015 14:25

Tgt Ion: 88 Resp: 286
Ion Ratio Lower Upper
88 100
58 21.0 55.2 82.8#
43 70.6 21.8 32.6#





#3

n-Nitrosodimethylamine

Concen: 0.11 ng

RT: 3.49 min Scan# 53

Delta R.T. -0.05 min

Lab File: BM003612.D

Acq: 18 Dec 2015 14:25

Instrument :

BNA_M

ClientSampleId :

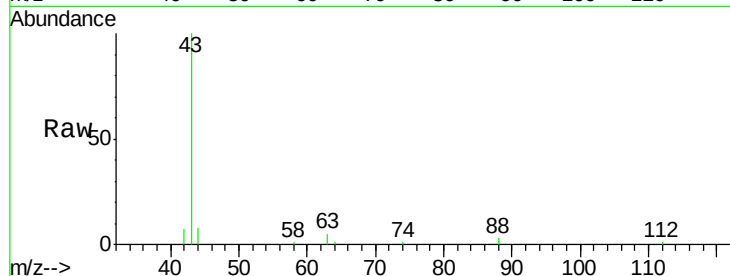
Tot Ion: 42 Resp: 334

Ion Ratio Lower Upper

42 100

74 0.0 101.0 151.4#

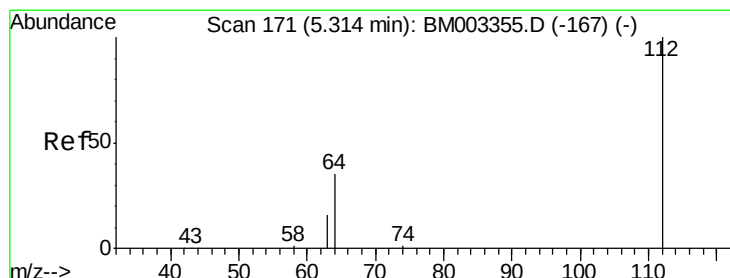
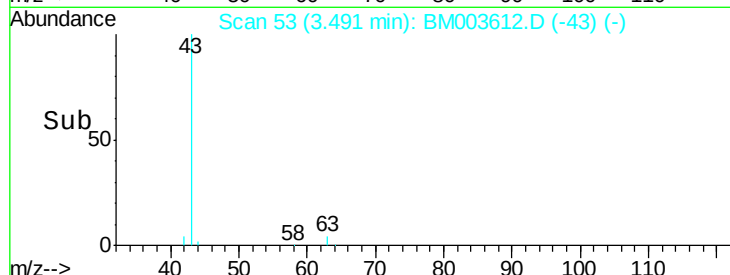
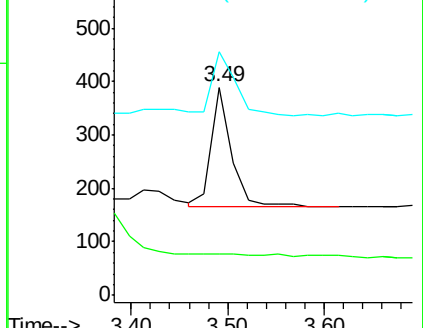
44 61.1 6.3 9.5#



Abundance Ion 42.00 (41.70 to 42.70): BM003355.D (-53) (-)

Ion 74.00 (73.70 to 74.70): BM003355.D (-53) (-)

Ion 44.00 (43.70 to 44.70): BM003355.D (-53) (-)



#4

2-Fluorophenol

Concen: 3.63 ng

RT: 5.30 min Scan# 170

Delta R.T. -0.02 min

Lab File: BM003612.D

Acq: 18 Dec 2015 14:25

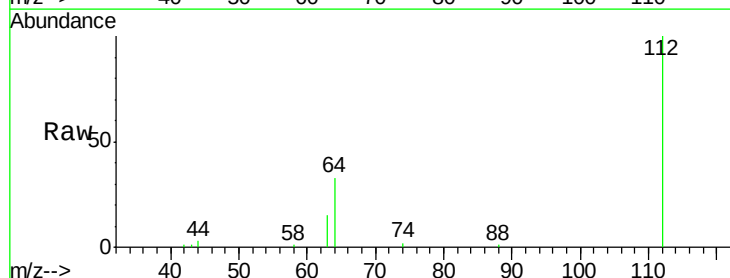
Tgt Ion: 112 Resp: 23822

Ion Ratio Lower Upper

112 100

64 50.9 41.2 61.8

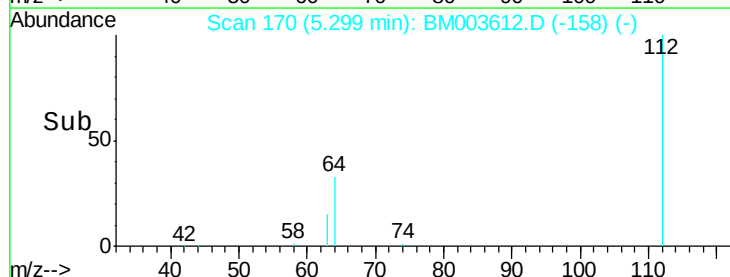
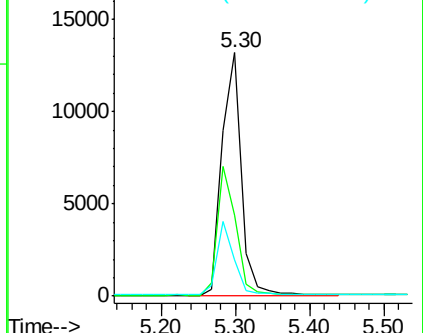
63 27.4 21.2 31.8

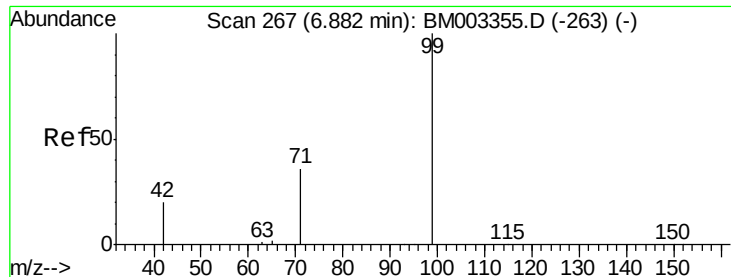


Abundance Ion 112.00 (111.70 to 112.70): BM003355.D (-167) (-)

Ion 64.00 (63.70 to 64.70): BM003355.D (-167) (-)

Ion 63.00 (62.70 to 63.70): BM003355.D (-167) (-)





#5

Phenol-d6

Concen: 1.92 ng

RT: 6.88 min Scan# 267

Delta R.T. 0.00 min

Lab File: BM003612.D

Acq: 18 Dec 2015 14:25

Instrument :

BNA_M

ClientSampled :

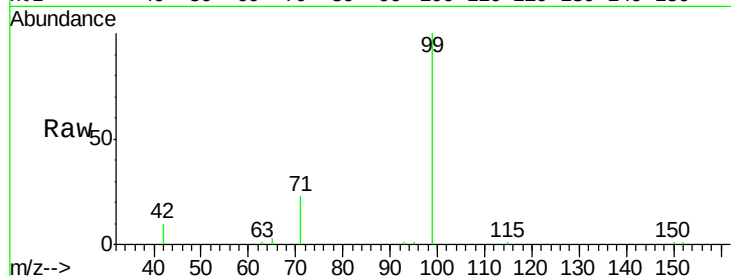
Tot Ion: 99 Resp: 15493

Ion Ratio Lower Upper

99 100

42 18.2 14.6 22.0

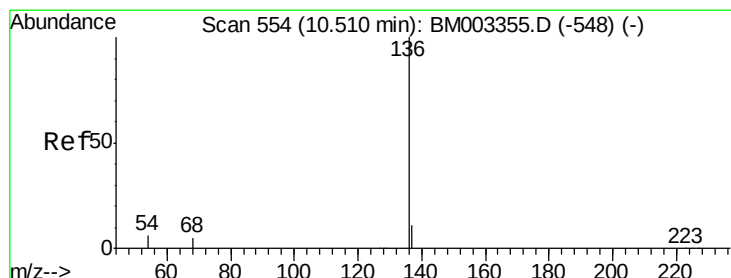
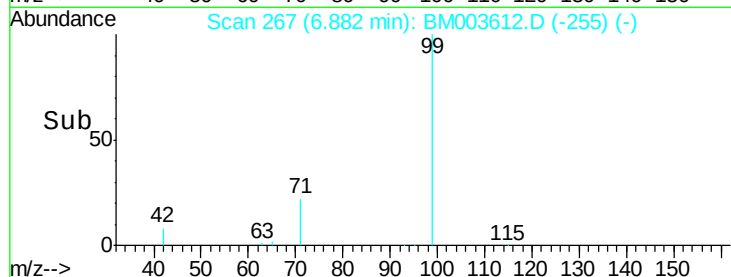
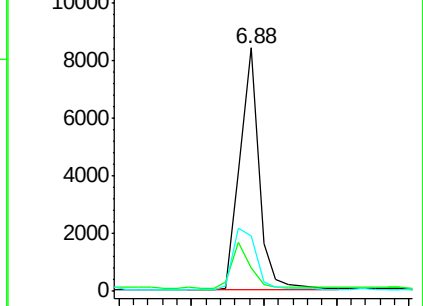
71 30.8 23.3 34.9



Abundance Ion 99.00 (98.70 to 99.70): BM003612.D (-255) (-)

Ion 42.00 (41.70 to 42.70): BM003612.D (-255) (-)

Ion 71.00 (70.70 to 71.70): BM003612.D (-255) (-)



#7

Naphthalene-d8

Concen: 5.00 ng

RT: 10.49 min Scan# 553

Delta R.T. -0.02 min

Lab File: BM003612.D

Acq: 18 Dec 2015 14:25

Tgt Ion: 136 Resp: 124995

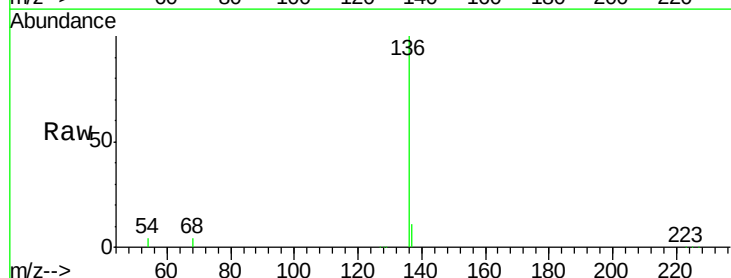
Ion Ratio Lower Upper

136 100

137 11.2 8.0 12.0

54 4.4 7.4 11.0#

68 3.7 5.8 8.6#

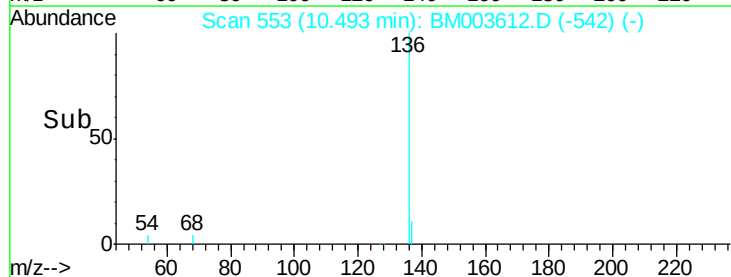
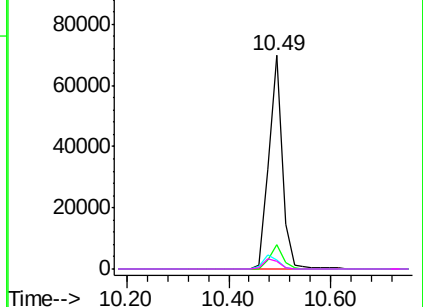


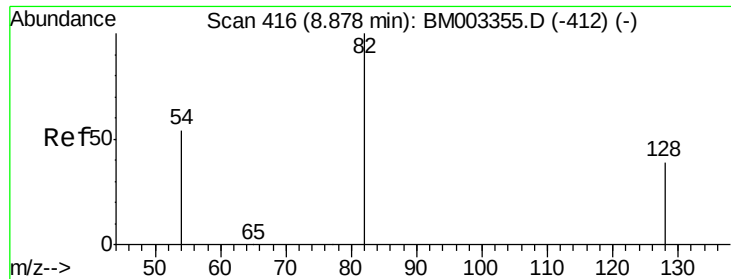
Abundance Ion 136.00 (135.70 to 136.70): BM003612.D (-542) (-)

Ion 137.00 (136.70 to 137.70): BM003612.D (-542) (-)

Ion 54.00 (53.70 to 54.70): BM003612.D (-542) (-)

Ion 68.00 (67.70 to 68.70): BM003612.D (-542) (-)





#8

Nitrobenzene-d5

Concen: 5.02 ng

RT: 8.86 min Scan# 414

Delta R.T. -0.02 min

Lab File: BM003612.D

Acq: 18 Dec 2015 14:25

Instrument :

BNA_M

ClientSampleId :

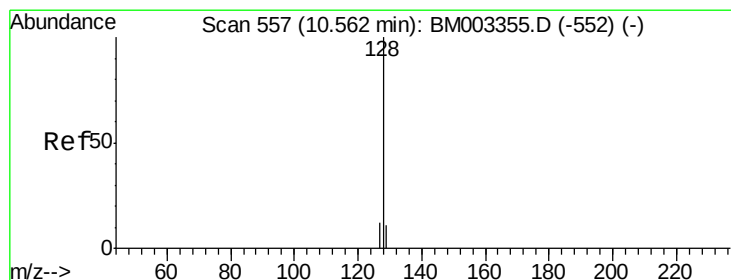
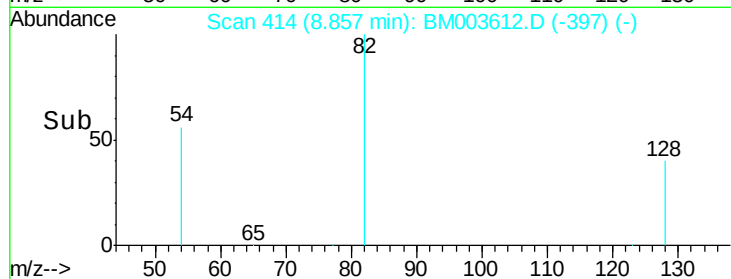
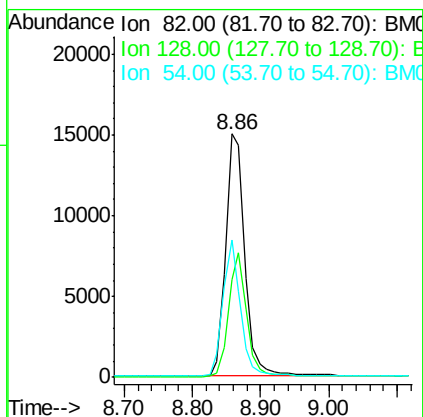
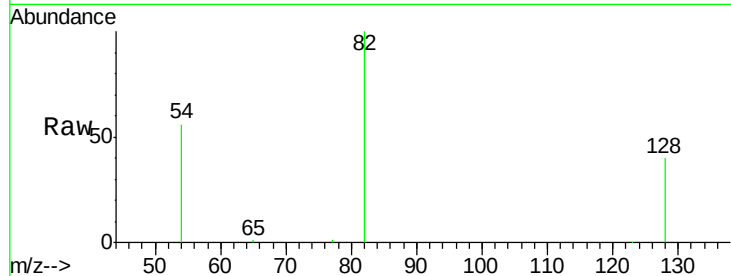
Tot Ion: 82 Resp: 29267

Ion Ratio Lower Upper

82 100

128 40.1 35.2 52.8

54 56.2 36.4 54.6#



#10

Naphthalene

Concen: 0.06 ng

RT: 10.54 min Scan# 556

Delta R.T. -0.02 min

Lab File: BM003612.D

Acq: 18 Dec 2015 14:25

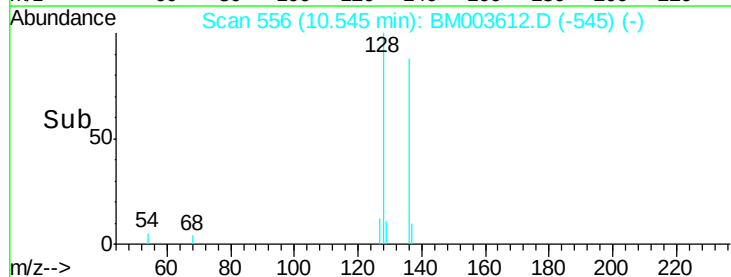
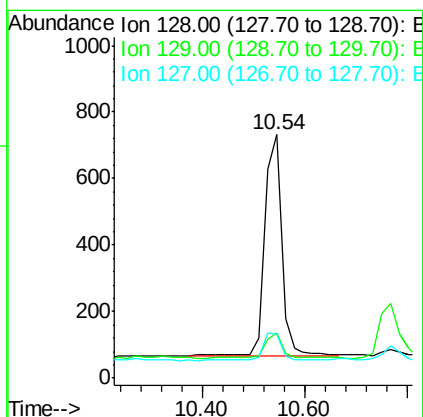
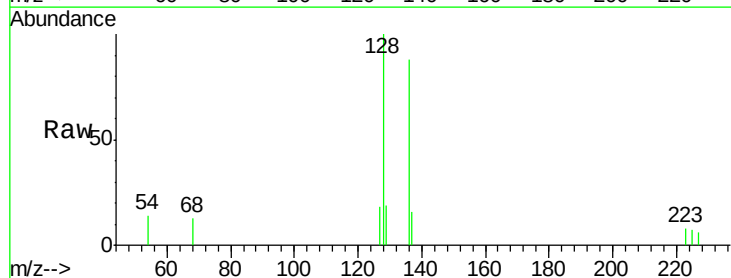
Tgt Ion: 128 Resp: 1529

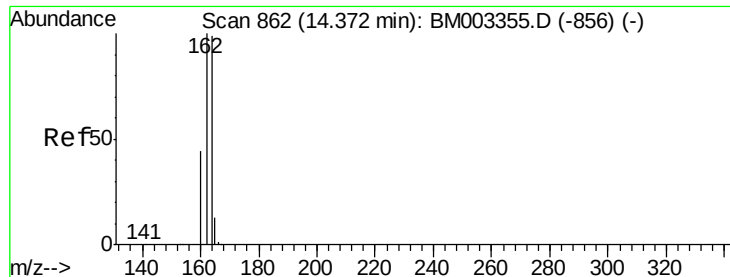
Ion Ratio Lower Upper

128 100

129 18.7 8.5 12.7#

127 17.9 10.6 16.0#

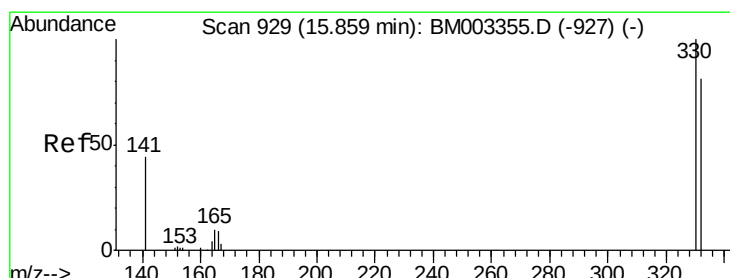
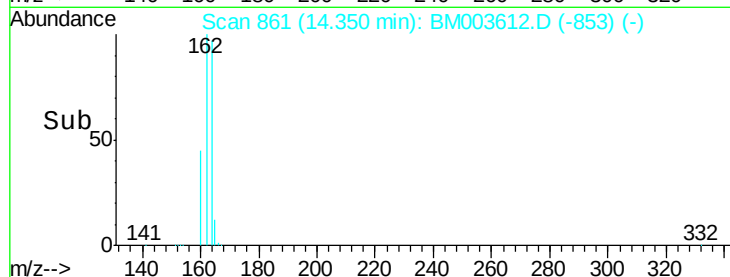
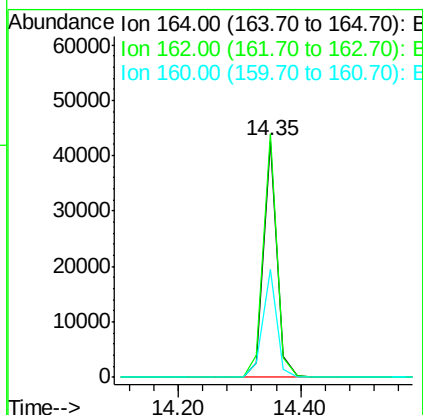
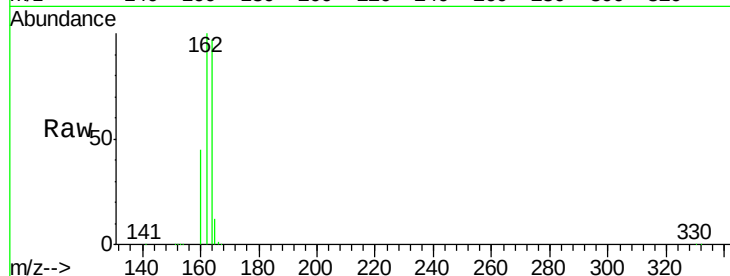




#13
Acenaphthene-d10
Concen: 5.00 ng
RT: 14.35 min Scan# 861
Delta R.T. -0.02 min
Lab File: BM003612.D
Acq: 18 Dec 2015 14:25

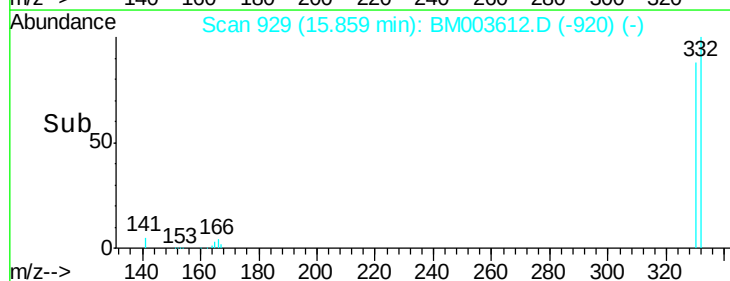
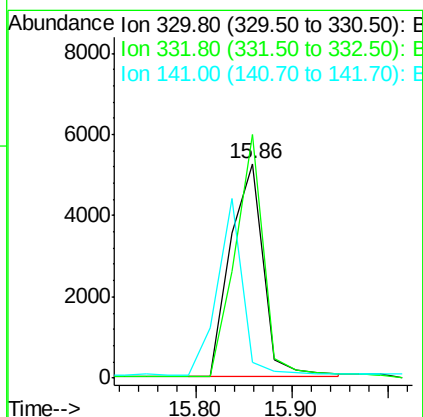
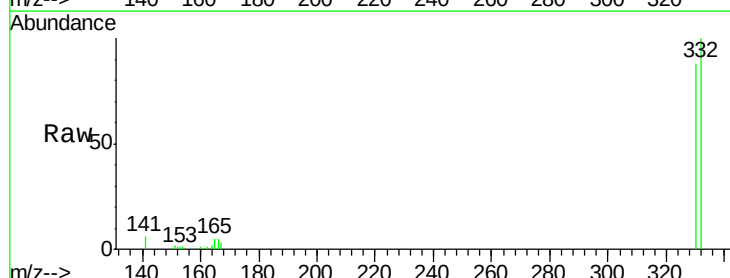
Instrument :
BNA_M
ClientSampleId :

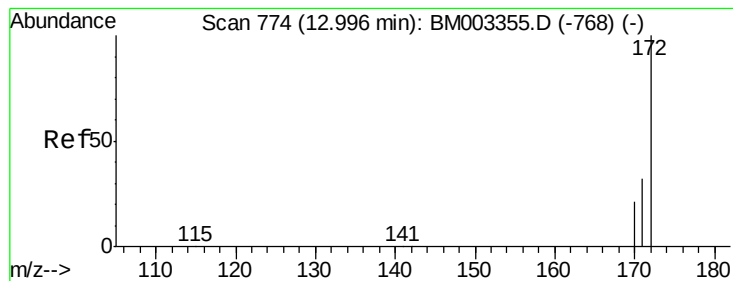
Tot Ion:164 Resp: 65593
Ion Ratio Lower Upper
164 100
162 102.9 78.3 117.5
160 45.9 33.8 50.6



#14
2,4,6-Tribromophenol
Concen: 7.43 ng
RT: 15.86 min Scan# 929
Delta R.T. 0.00 min
Lab File: BM003612.D
Acq: 18 Dec 2015 14:25

Tgt Ion:330 Resp: 12633
Ion Ratio Lower Upper
330 100
332 97.6 76.0 114.0
141 0.0 0.0 0.0

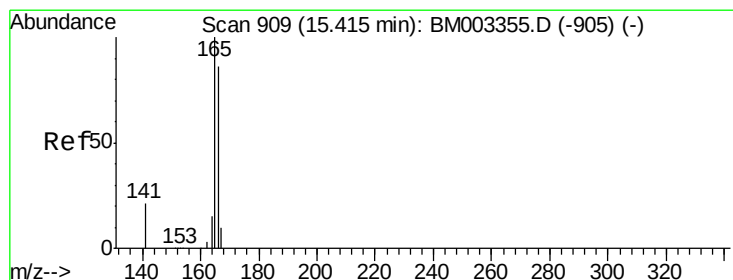
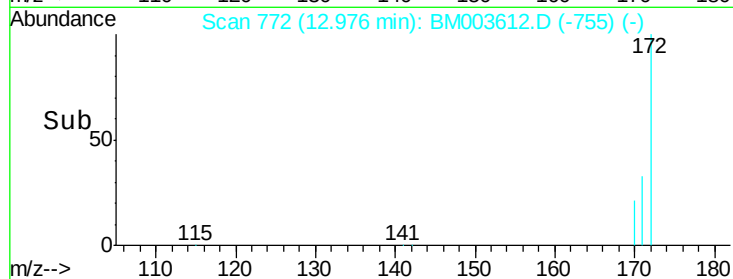
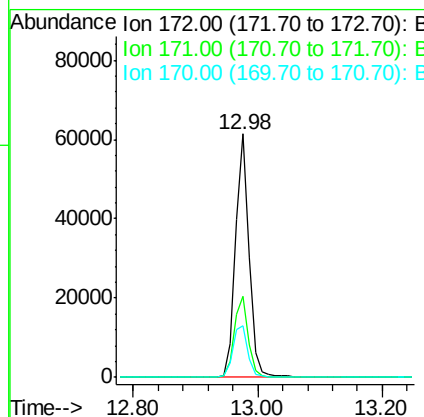
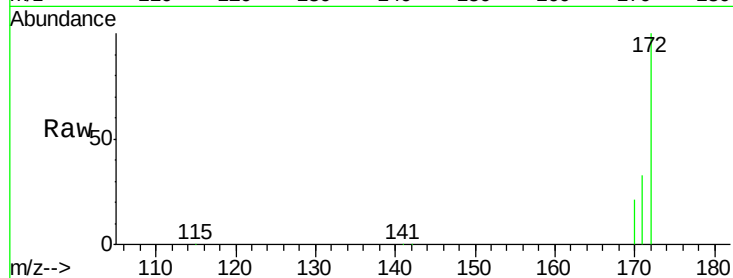




#15
2-Fluorobiphenyl
Concen: 4.77 ng
RT: 12.98 min Scan# 772
Delta R.T. -0.02 min
Lab File: BM003612.D
Acq: 18 Dec 2015 14:25

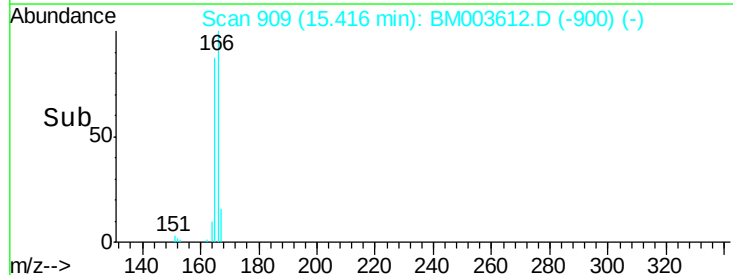
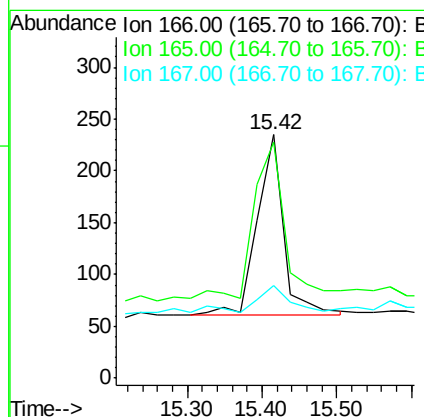
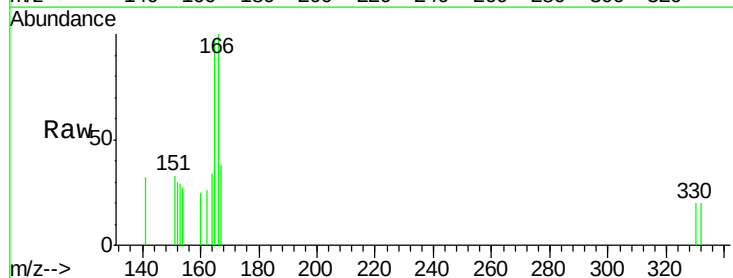
Instrument :
BNA_M
ClientSampleId :

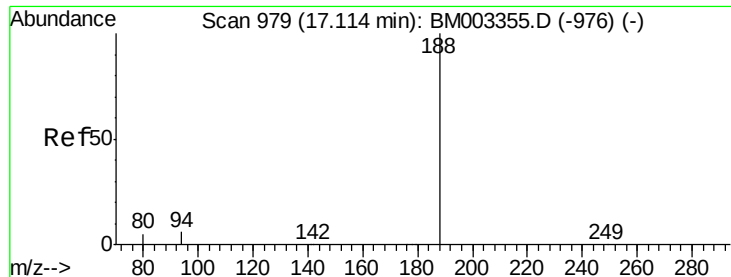
Tot Ion:172 Resp: 94158
Ion Ratio Lower Upper
172 100
171 33.1 28.0 42.0
170 21.0 18.9 28.3



#18
Fluorene
Concen: 0.02 ng
RT: 15.42 min Scan# 909
Delta R.T. 0.00 min
Lab File: BM003612.D
Acq: 18 Dec 2015 14:25

Tgt Ion:166 Resp: 423
Ion Ratio Lower Upper
166 100
165 107.1 80.8 121.2
167 23.4 10.5 15.7#

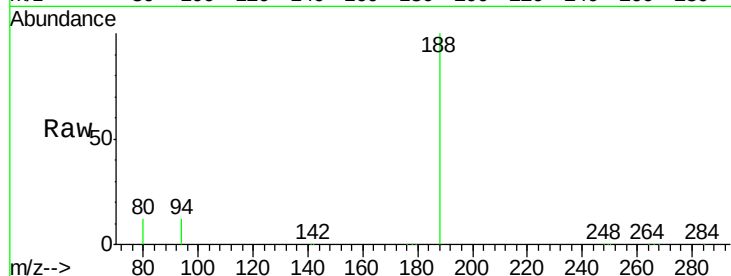




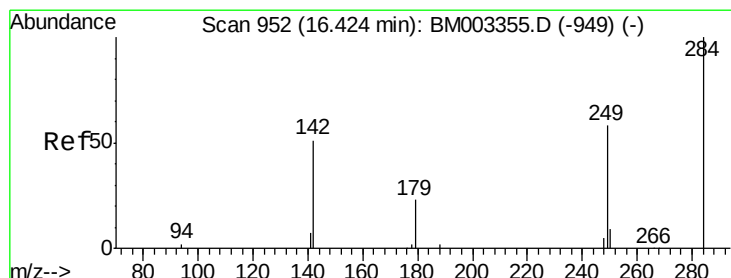
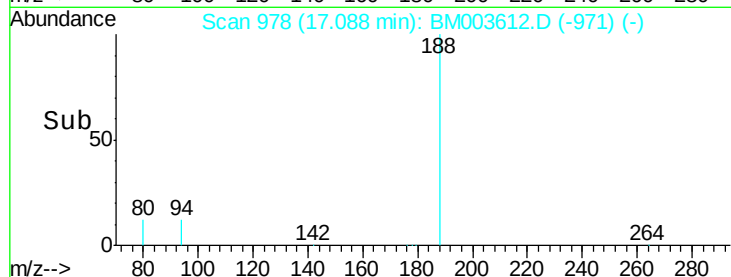
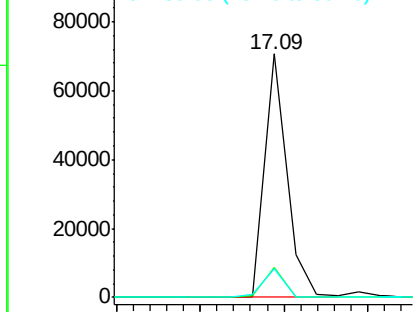
#19
Phenanthrene-d10
Concen: 5.00 ng
RT: 17.09 min Scan# 978
Delta R.T. -0.03 min
Lab File: BM003612.D
Acq: 18 Dec 2015 14:25

Instrument :
BNA_M
ClientSampleId :

Tot Ion:188 Resp: 129185
Ion Ratio Lower Upper
188 100
94 12.1 1.8 2.6#
80 11.8 1.4 2.0#

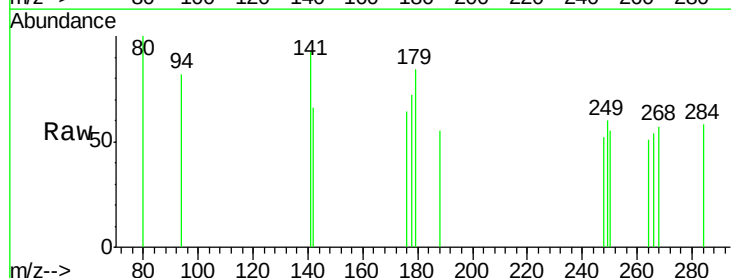


Abundance Ion 188.00 (187.70 to 188.70): E
Ion 94.00 (93.70 to 94.70): BM0
Ion 80.00 (79.70 to 80.70): BM0

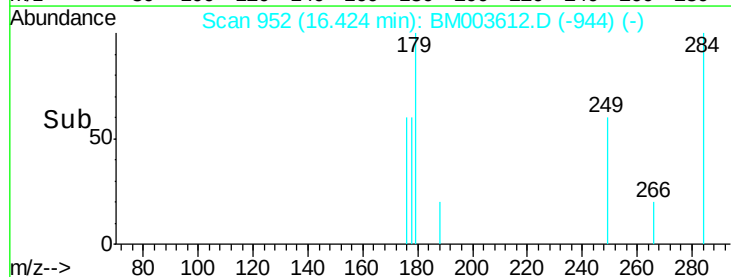
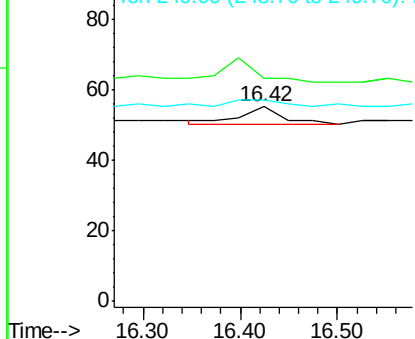


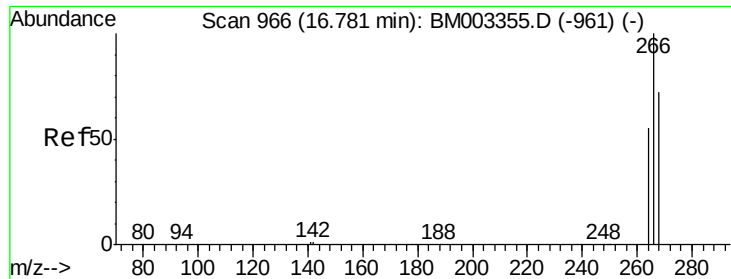
#21
Hexachlorobenzene
Concen: Below Cal
RT: 16.42 min Scan# 952
Delta R.T. 0.00 min
Lab File: BM003612.D
Acq: 18 Dec 2015 14:25

Tgt Ion:284 Resp: 15
Ion Ratio Lower Upper
284 100
142 0.0 0.0 0.0
249 0.0 19.4 29.2#



Abundance Ion 283.80 (283.50 to 284.50): E
Ion 142.00 (141.70 to 142.70): E
Ion 249.00 (248.70 to 249.70): E

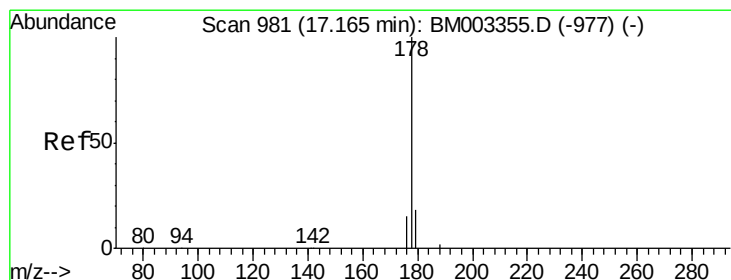
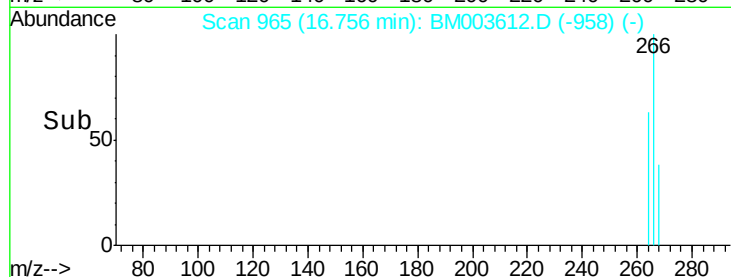
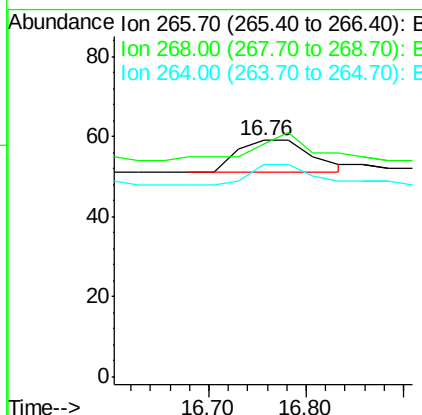
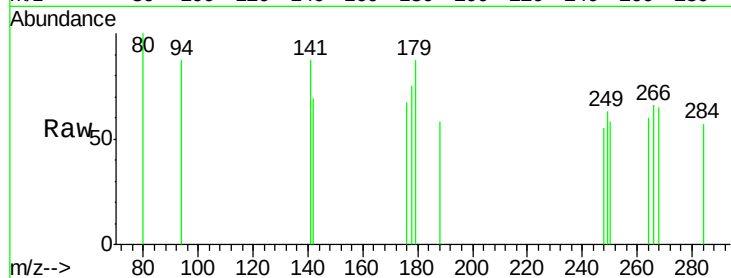




#22
 Pentachlorophenol
 Concen: 0.35 ng
 RT: 16.76 min Scan# 965
 Delta R.T. -0.03 min
 Lab File: BM003612.D
 Acq: 18 Dec 2015 14:25

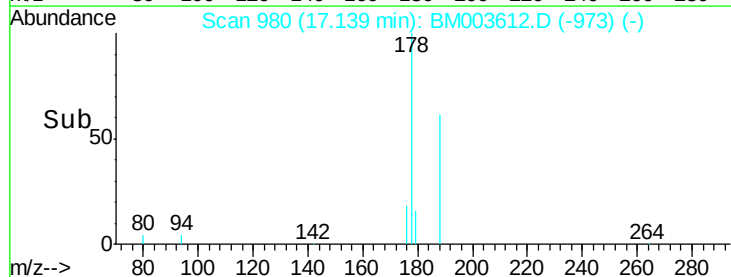
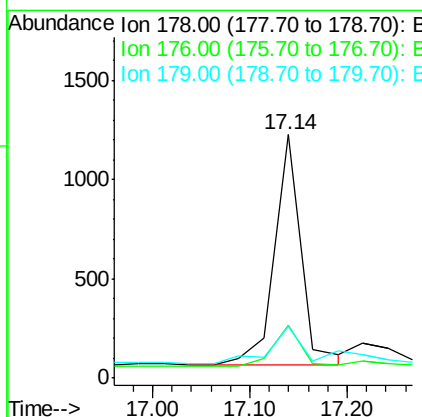
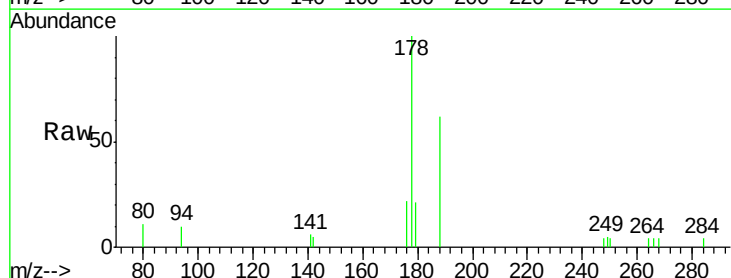
Instrument :
 BNA_M
 ClientSampleId :

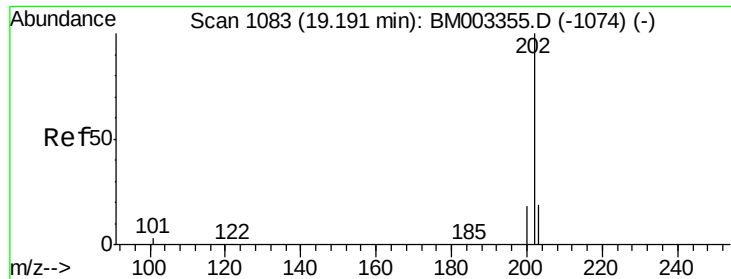
Tot Ion:266 Resp: 43
 Ion Ratio Lower Upper
 266 100
 268 98.3 45.8 68.8#
 264 89.8 56.7 85.1#



#23
 Phenanthrene
 Concen: 0.09 ng
 RT: 17.14 min Scan# 980
 Delta R.T. -0.03 min
 Lab File: BM003612.D
 Acq: 18 Dec 2015 14:25

Tgt Ion:178 Resp: 2211
 Ion Ratio Lower Upper
 178 100
 176 18.9 15.9 23.9
 179 27.5 11.7 17.5#





#25

Fluoranthene

Concen: 0.04 ng

RT: 19.17 min Scan# 1082

Delta R.T. -0.02 min

Lab File: BM003612.D

Acq: 18 Dec 2015 14:25

Instrument :

BNA_M

ClientSampleId :

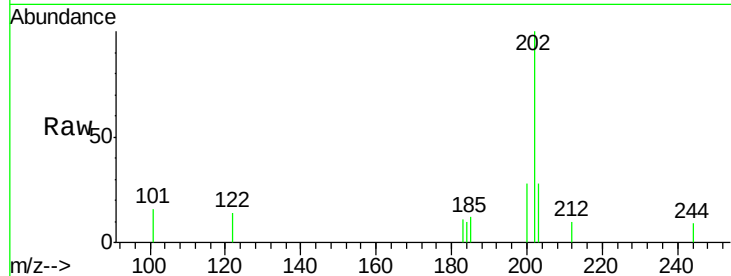
Tot Ion:202 Resp: 973

Ion Ratio Lower Upper

202 100

101 11.8 9.9 14.9

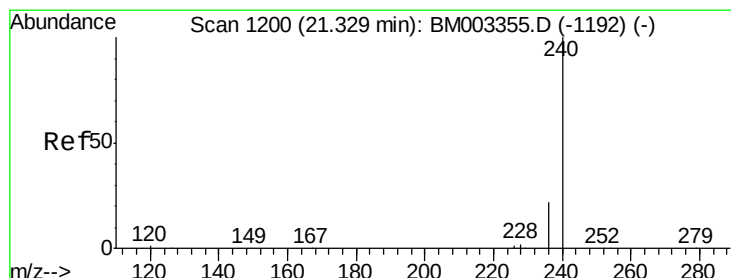
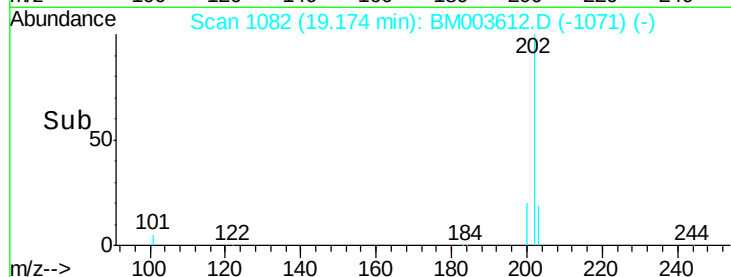
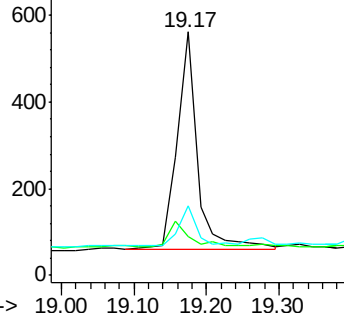
203 17.4 13.9 20.9



Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E



#26

Chrysene-d12

Concen: 5.00 ng

RT: 21.31 min Scan# 1199

Delta R.T. -0.02 min

Lab File: BM003612.D

Acq: 18 Dec 2015 14:25

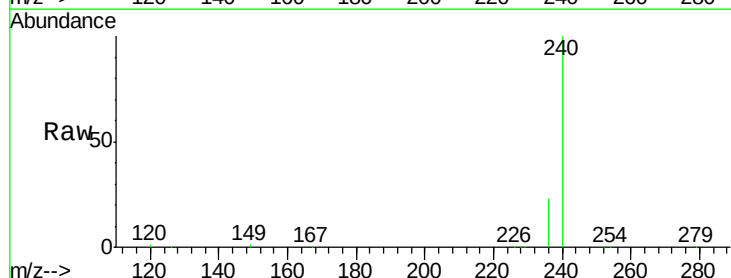
Tgt Ion:240 Resp: 105303

Ion Ratio Lower Upper

240 100

120 1.3 1.0 1.4

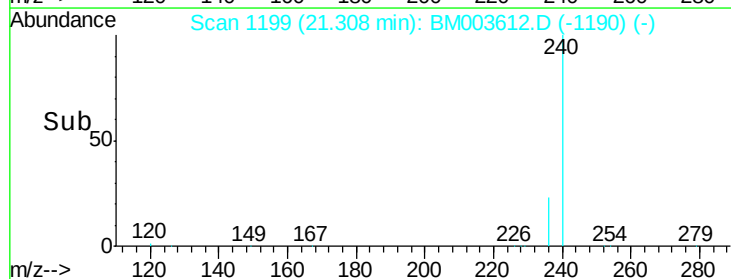
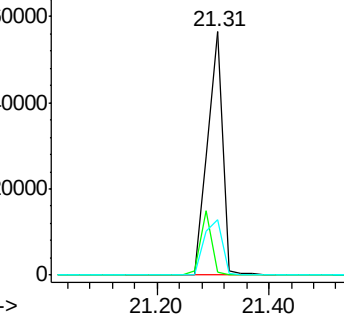
236 22.6 17.9 26.9

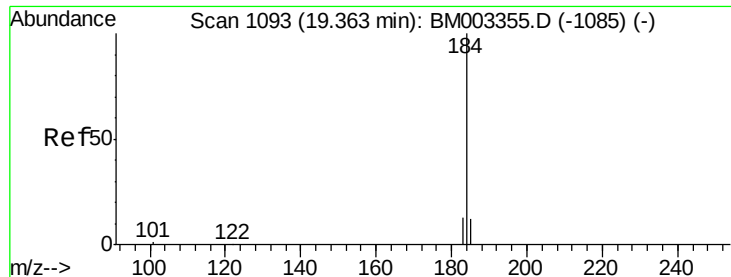


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#27

Benzidine

Concen: 0.37 ng

RT: 19.36 min Scan# 1093

Delta R.T. 0.00 min

Lab File: BM003612.D

Acq: 18 Dec 2015 14:25

Instrument :

BNA_M

ClientSampleId :

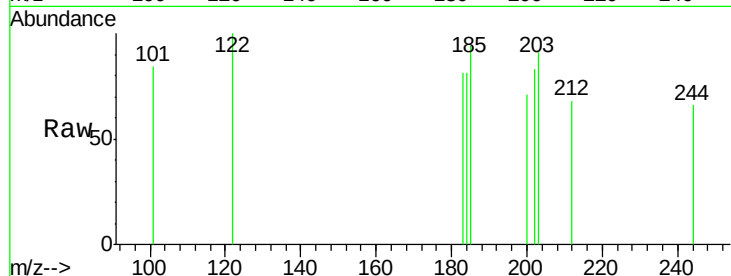
Tot Ion:184 Resp: 55

Ion Ratio Lower Upper

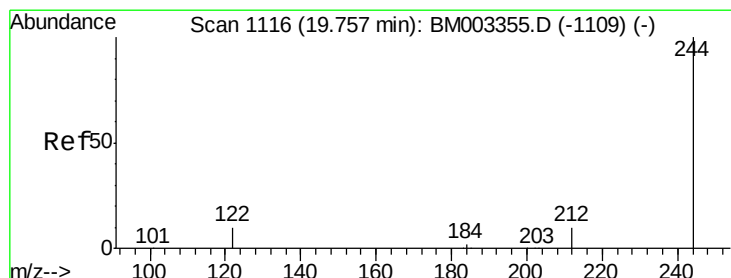
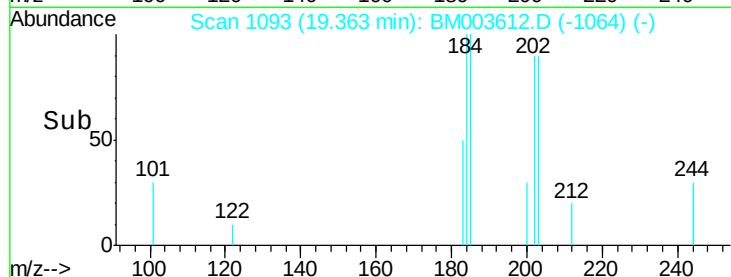
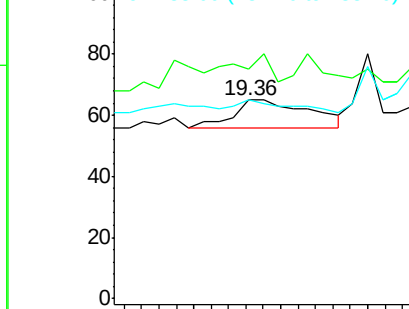
184 100

185 115.4 11.6 17.4#

183 100.0 8.6 13.0#



Abundance Ion 184.00 (183.70 to 184.70): E
Ion 185.00 (184.70 to 185.70): E
Ion 183.00 (182.70 to 183.70): E



#29

Terphenyl-d14

Concen: 4.74 ng

RT: 19.74 min Scan# 1115

Delta R.T. -0.02 min

Lab File: BM003612.D

Acq: 18 Dec 2015 14:25

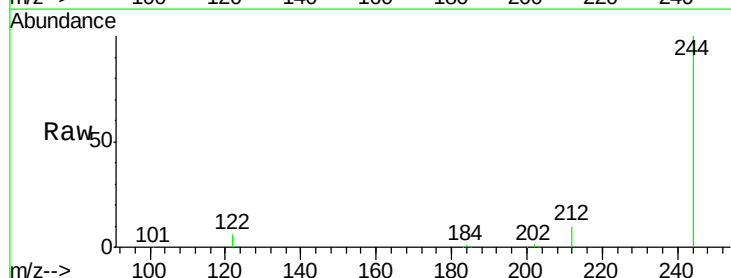
Tgt Ion:244 Resp: 80963

Ion Ratio Lower Upper

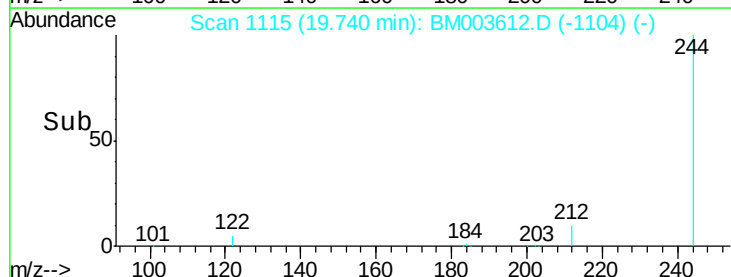
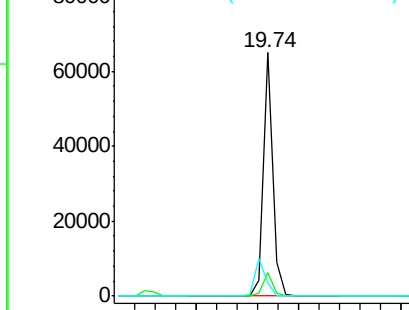
244 100

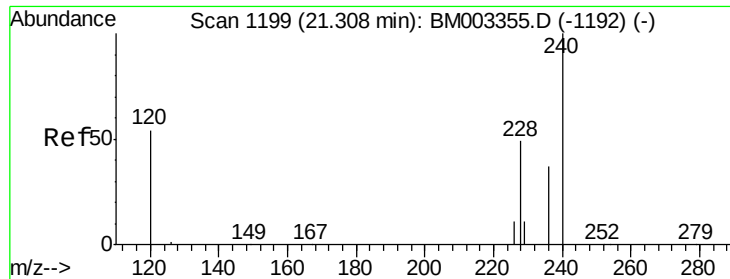
212 9.7 6.5 9.7#

122 5.6 2.0 3.0#



Abundance Ion 244.00 (243.70 to 244.70): E
Ion 212.00 (211.70 to 212.70): E
Ion 122.00 (121.70 to 122.70): E





#30

Benzo(a)anthracene

Concen: 0.03 ng

RT: 21.29 min Scan# 1198

Delta R.T. -0.02 min

Lab File: BM003612.D

Acq: 18 Dec 2015 14:25

Instrument :

BNA_M

ClientSampleId :

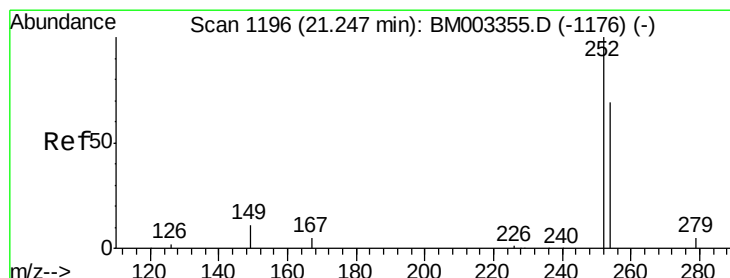
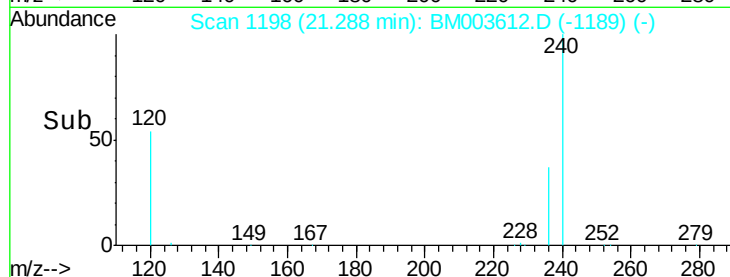
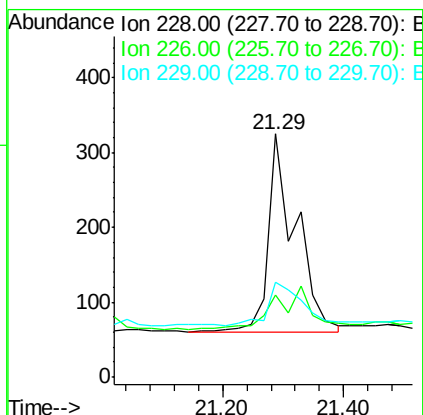
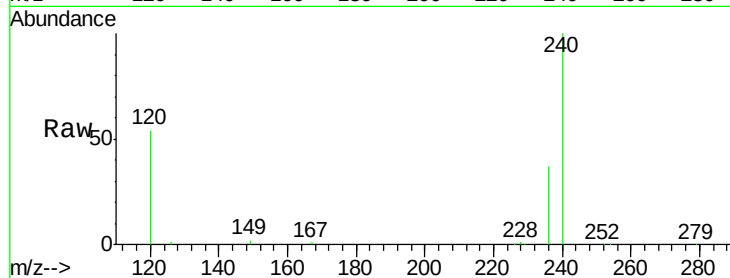
Tot Ion:228 Resp: 831

Ion Ratio Lower Upper

228 100

226 33.8 17.8 26.6#

229 39.1 18.0 27.0#



#31

3,3'-Dichlorobenzidine

Concen: 0.09 ng

RT: 21.23 min Scan# 1195

Delta R.T. -0.02 min

Lab File: BM003612.D

Acq: 18 Dec 2015 14:25

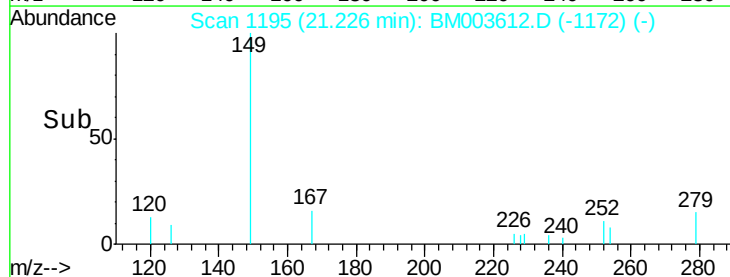
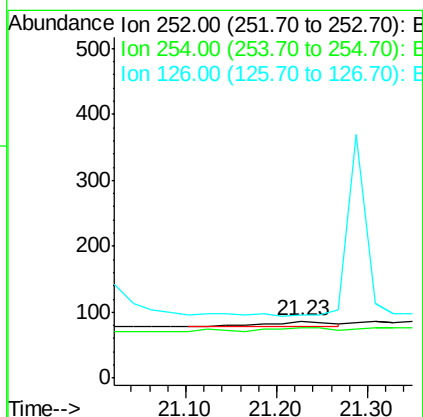
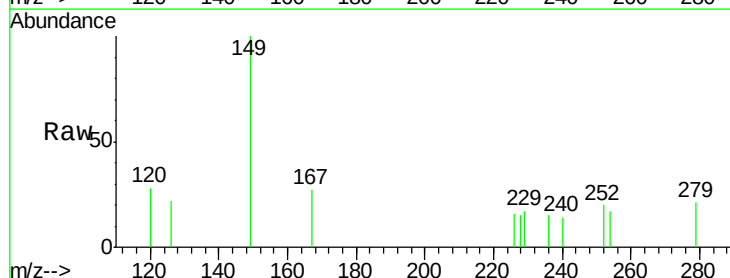
Tgt Ion:252 Resp: 41

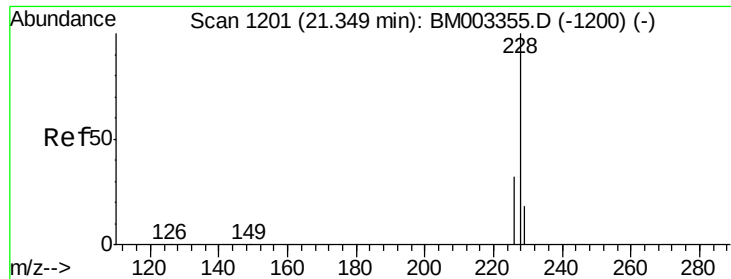
Ion Ratio Lower Upper

252 100

254 87.4 53.7 80.5#

126 109.2 2.8 4.2#





#32

Chrysene

Concen: 0.03 ng

RT: 21.29 min Scan# 1198

Delta R.T. -0.06 min

Lab File: BM003612.D

Acq: 18 Dec 2015 14:25

Instrument :

BNA_M

ClientSampleId :

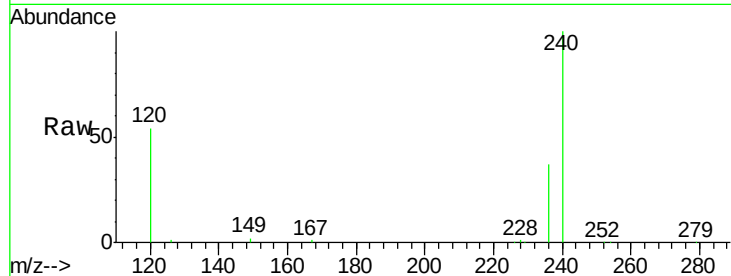
Tot Ion:228 Resp: 832

Ion Ratio Lower Upper

228 100

226 33.8 25.5 38.3

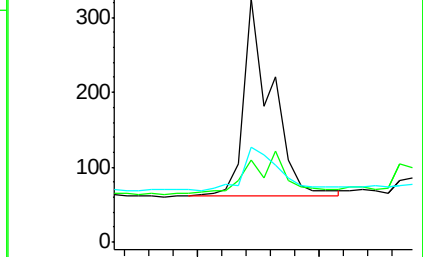
229 39.1 14.3 21.5#



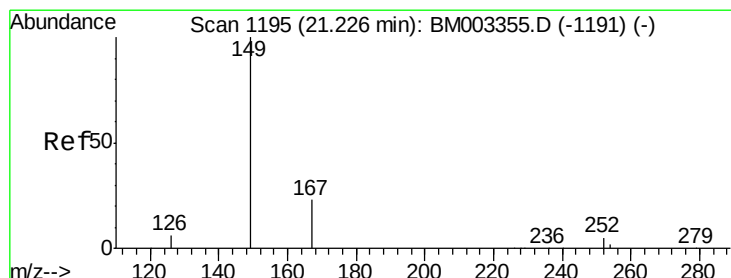
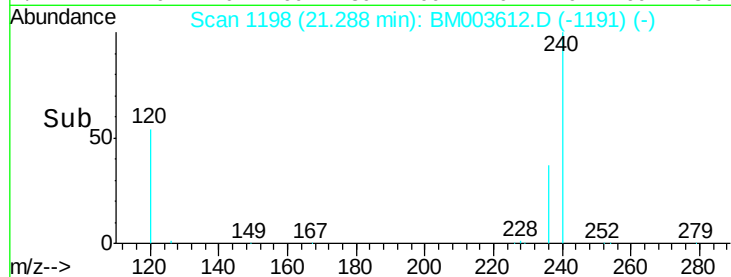
Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E



Time-->



#33

Bis(2-ethylhexyl)phthalate

Concen: 0.32 ng

RT: 21.21 min Scan# 1194

Delta R.T. -0.02 min

Lab File: BM003612.D

Acq: 18 Dec 2015 14:25

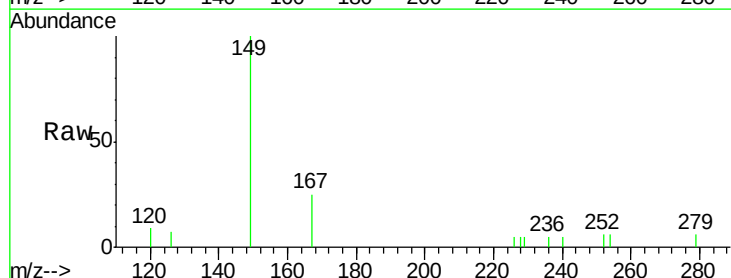
Tgt Ion:149 Resp: 1281

Ion Ratio Lower Upper

149 100

167 22.3 19.6 29.4

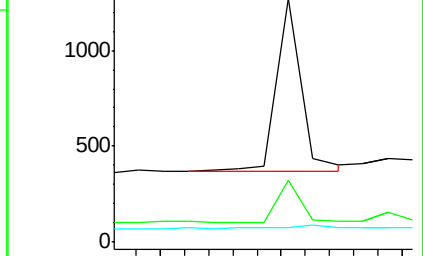
279 0.0 0.0 0.0



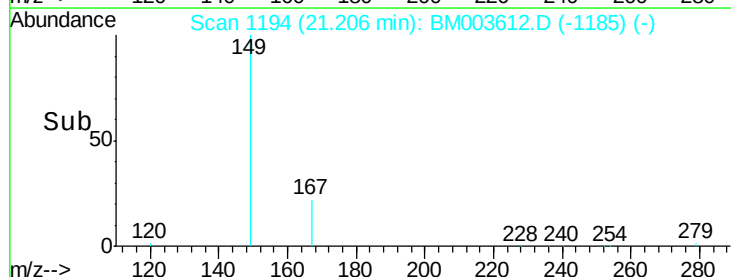
Abundance Ion 149.00 (148.70 to 149.70): E

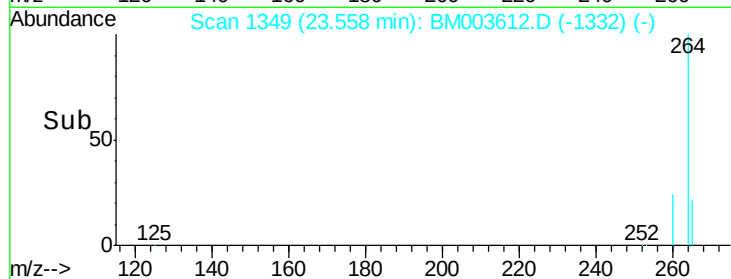
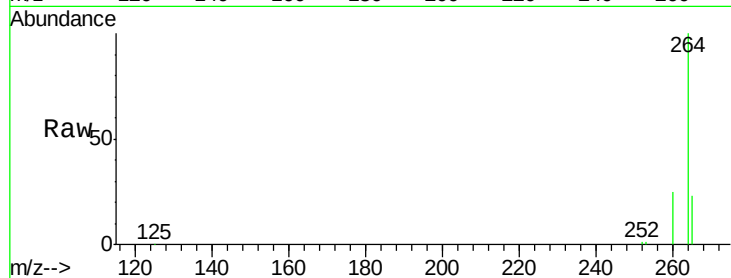
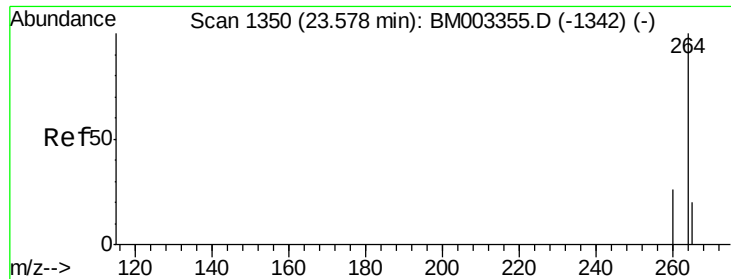
Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E



Time-->





#35
 Pervlene-d12
 Concen: 5.00 ng
 RT: 23.56 min Scan# 1349
 Delta R.T. -0.02 min
 Lab File: BM003612.D
 Acq: 18 Dec 2015 14:25

Instrument :
 BNA_M
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
264	100		
260	24.5	19.6	29.4
265	22.5	18.4	27.6

